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Research on Materials (Stoffuntersuchung)-Diehl (fnu)
 Measurement of tangents delta, epsilon, and mu for wave-lengths 30 - 2.4 cm (to be expanded to 1 cm)-Eng. Hartwig (fnu)
 Molecular Spectroscopy (Molekuel Spektroskopie) to 3 cm (to be expanded in 1955 to 1 cm) - Dipl.
 Physicist Koepp (fnu). Koepp is doing his doctorate work on "core inductions: (Kerminduktion) [redacted] measuring the frequency spectrum with a [redacted] re-production (Vervielfaeltigung). This work has been going on for two years without results. Farnik (fnu) and Hantow (fnu) are in charge.

Antennas for millimeter wave range- Dr. Reinhard (fnu)
 Electron torch (Elektronenfackel- electron heating torch cable of melting tungsten)- Eng. Kabel (fnu)
 High frequency switch for 20 cm and 3 cm waves used for solar studies- Dr. Molwo (fnu) Eng. Beyer (fnu)
 Receivers and transmitters- Dipl. Mathematician Flietner (fnu) and Eng. Schmidt (fnu). Flietner wrote a doctorate dissertation on transistors and detectors; he wanted to give a lecture about this dissertation in Hamburg but was not permitted by the Institute to do so.

d. Group 4

Field: Electro- [redacted]
 Chief: Dr. [redacted]
 (Elektro-Op [redacted])

Work: Monoscope installation (Monoskop [redacted] mission), [redacted]

connection at Halbleitern)

Super-icone [redacted] to be [redacted]
 functioning [redacted]
 Glass spec [redacted]
 "Systemaufbau fuer Roehren", Master technician Werner (fnu).

e. Group 5 s

Field: Material research (Stoffuntersuchung)

Chief: Diehl (fnu)

Areas of work: "Pasten fuer Spezi- [redacted]
 stances spray [redacted] in tubes)- [redacted]
 Krotter (fnu) [redacted] Eng. Borineck [redacted]
 Recording tape [redacted] Erich (fnu); Technician: Valentin (fnu)

f. Group 6

Field: Theoretical Physics

Chief: Dipl. Physicist B [redacted] Blankenfeld is working on a doctorate dis [redacted] which he aims to prove that five Russian doctorate [redacted] in his field have false conclusions.

f. Group 7

Workshop. Chief: Foreman(Meister) Haupe (fnu)

2. ~~Sagachenwiers~~ and ~~group~~ are working on the diffusion (Ausbreitung) of electro-magnetic waves and is preparing a formula for the calculation thereof.
3. The Scientific-Technical Office (Wissenschaftlich-Technische Buero-WTB) has shown great interest in the variable tunable transmitter (Durchdrehsender) on [redacted] transmitter, however, is to be increased in strength at a cost of [redacted]
4. [redacted] ment of magnetrons for 5mm wavelength, four experimental units [redacted] such [redacted] were prepared for pumping out of air (Auspumpen). In one of [redacted] "pump [redacted] tubes, the tickel rods of 1 mm diameter broke during the [redacted] process (where by the ultimate vacuum is produced by absorbing chemi- cally [redacted] residue of oxygen in the tube) because the nickel was impure. Further experiments had to be cancelled.
5. Dipl. Physicist Kunze (fnu) [redacted] who develops special tubes, is working on a sec- ondary electron multiplier [redacted] (vervielfacher).

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